



Department of Energy

Idaho Operations Office
850 Energy Drive
Idaho Falls, Idaho 83401-1563

June 30, 2003

Mr. Wayne Pierre, Team Leader
Environmental Cleanup Office
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, Washington 98101

Mr. Dean Nygard, Site Remediation Manager
Idaho Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706

SUBJECT: Transmittal of the Conceptual Design Report for Ex Situ Chemical
Oxidation/Reduction and Stabilization of the V-Tanks at Waste Area Group 1,
Operable Unit 1-10 (INEEL/EXT-03-00438, June 2003) - (EM-ER-03-170)

Dear Mr. Pierre and Mr. Nygard:

The *Conceptual Design Report for Ex Situ Chemical Oxidation/Reduction and Stabilization of the V-Tanks at Waste Area Group 1, Operable Unit 1-10* (INEEL/EXT-03-00438, June 2003) is enclosed. The report provides the conceptual design for tanks contents treatment based on the preferred alternative presented in the New Proposed Plan for the V-Tanks Contents. The treatment system design for ex situ chemical oxidation/reduction and stabilization involves consolidating the waste into two tanks before removing the waste for treatment. After consolidation the waste is removed and chemically oxidized in above ground reaction vessels to destroy the organic contaminants. Once the waste has been oxidized, it is stabilized with grout and disposed of at the INEEL CERCLA Disposal Facility. This report only addresses the waste treatment system. The design for soil, tank, and piping removal and for site backfill and restoration will be included in the subsequent 30% design submittal in FY 04.

Although this report is issued as final, it is being submitted for review and comment by the Agencies. As discussed in recent Agency conference calls, Agency comments will be addressed and comment resolutions will be incorporated into the subsequent 30% design in FY 04. Based on an agreed upon 30 calendar day review period, comments are requested from the EPA and IDEQ by July 31, 2003. Please contact me at (208) 526-4392 or Mark Shaw at (208) 526-6442 with any questions.

Sincerely,

A handwritten signature in cursive script, reading "Kathleen E. Hain", is written over the typed name.

Kathleen E. Hain, Lead

Environmental Restoration Program

Enclosure

cc: C. Cody, DEQ, 1410 N. Hilton, Boise, ID 83706
M. Wilkening, EPA Region X, Idaho Ops Office, 1435 N. Orchard St., Boise, ID 83706